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**STATEMENTS OF APPROPRIATIONS,  
EXPENDITURES, AND BALANCES**

**SEACOAST FORTIFICATIONS**

AND

**FIELD ARTILLERY**

(ORGANIZED MILITIA ARTILLERY EXCLUDED)

FOR THE

**UNITED STATES AND ITS INSULAR POSSESSIONS**

(PANAMA CANAL EXCLUDED)

**1888 TO JUNE 30, 1915, INCLUSIVE**

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(Prepared for use of the Subcommittee in charge of the Fortifications  
Appropriation Bill, Committee on Appropriations  
House of Representatives)

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**SIXTY-FOURTH CONGRESS**

**FIRST SESSION**



1916  
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## FORTIFICATION AND RELATED PURPOSES.

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WAR DEPARTMENT,  
Washington, February 21, 1916.

Hon. SWAGAR SHERLEY,  
*Chairman Subcommittee on Fortifications,*  
*House of Representatives.*

MY DEAR MR. SHERLEY: There were transmitted to you on January 8, 1915, tabulated statements showing the application of appropriations made by Congress for fortifications and related purposes from and including the year 1888 to July 1, 1914. The statements of expenditure then furnished you have been revised to show the application of appropriations to include June 30, 1915, and copies thereof are transmitted herewith for substitution for the corresponding statements of January 8, 1915.

Exhibit A and Appendixes 1, 2, and 3 show the expenditures for seacoast fortifications in continental United States, apportioned to localities as far as is practical, and the balances on hand on June 30, 1915.

Exhibit B and Appendixes 1 and 2 show the corresponding data for the fortifications in insular possessions.

Exhibit D shows the amount expended for field-artillery material to June 30, 1915, and the amounts available for expenditure on that date.

Exhibit E shows the amounts expended for miscellaneous items related to, but not strictly forming a part of, the fortification project.

The grand total of all appropriations as accounted for in the statements of January 8, 1915, was \$175,974,699.13; that accounted for in the statements herewith is \$182,042,777.13. The difference between these amounts, \$6,068,078, is made up of \$6,060,078, carried by the fortification act of 1916, and \$8,000 carried by the sundry civil act of March 3, 1915.

Exhibit F contains estimated costs by localities of projects of the Board of Review, including estimated costs of completing accessories for existing armament. This project includes estimates submitted in 1917 estimates. The details of the estimates are given in Report of the Board of Review of November 26, 1915.

The appropriations made in the fortification acts for the 28 fiscal years 1889-1915 aggregate \$158,644,774.72, of which sum \$136,814,832.72 was appropriated for the United States and \$21,829,942 for the insular possessions.

The grand total of all appropriations for fortifications and related purposes and of allotments for similar purposes from national defense act as given Jan. 8, 1915.....		\$175, 974, 699. 13
By appropriation for fortifications, approved Mar. 3, 1915.....		6, 060, 078. 00
By sundry civil act, approved Mar. 3, 1915 (enlargement of Governors Island, N. Y.).....		8, 000. 00
Total.....		182, 042, 777. 13

Deducting from this the amounts returned to the Treasury, viz, \$1,057,530.32, as shown on Exhibit A-2, and \$110,928.69, as shown on Exhibit E, or a total of \$1,168,459.01, there remains \$180,873,318.12 as the total of the expenditures for fortifications and related purposes, including available unexpended balances on hand.

The total appropriated, \$182,042,777.13, is accounted for by exhibits as follows:

Exhibit A-2.....	\$129,282,568.50
Exhibit B-2.....	22,134,609.00
Exhibit D.....	13,845,800.00
Exhibit E.....	16,779,799.63
Total.....	182,042,777.13

It will be noted that the above figures do not include any appropriations for fortifications for the Panama Canal. Appropriations for that locality have been made in the sundry civil acts for the fiscal years 1912-1916, inclusive, and, including amounts for barracks and quarters, aggregate \$14,689,873.30.

Very respectfully,

H. L. SCOTT,  
*Secretary of War ad interim.*

### EXHIBIT A.

#### STATEMENT SHOWING THE TOTAL AMOUNTS EXPENDED ON THE DEFENSES OF EACH FORTIFIED HARBOR IN CONTINENTAL UNITED STATES DURING AND SINCE 1888, TO AND INCLUDING JUNE 30, 1915.

Localities.	Expenditures for fortifications since 1888, to and including June 30, 1915.	Localities.	Expenditures for fortifications since 1888, to and including June 30, 1915.
Kennebec River.....	\$173,325.02	Total expenditures apportioned to localities (see Exhibit A-1)...	\$81,950,265.87
Portland.....	5,196,836.68	Total expenditures not apportioned to localities (see Exhibit A-2).....	45,269,932.79
Portsmouth.....	1,020,444.44	Grand total expended for seacoast fortifications in continental United States.	125,211,198.66
Boston.....	7,188,785.43	Total of available balances.....	2,922,260.57
New Bedford.....	335,732.95	Total of expenditures and available balances.....	128,133,459.23
Narragansett Bay.....	4,758,431.26	Returned to Treasury.....	1,057,530.32
Long Island Sound.....	4,912,033.60	Value of mine mineral purchased from funds appropriated for continental United States and transferred to insular possessions and Canal Zone.....	91,578.95
New York.....	13,195,029.67	Total appropriations for seacoast fortifications for continental United States.....	129,282,568.50
Delaware.....	2,735,132.83		
Baltimore.....	2,035,391.60		
Washington.....	1,646,600.75		
Cape Henry.....	185,552.95		
Hampton Roads.....	3,568,972.18		
Cape Fear.....	1,309,290.52		
Charleston.....	2,245,306.99		
Port Royal.....	359,529.82		
Savannah.....	1,145,795.52		
Key West.....	1,619,810.66		
Tampa.....	954,251.89		
Pensacola.....	2,417,755.05		
Mobile.....	2,436,913.42		
New Orleans.....	1,237,112.86		
Galveston.....	3,520,379.56		
San Diego.....	734,770.38		
Los Angeles.....	1,256,075.38		
San Francisco.....	7,517,411.46		
Columbia River.....	2,388,436.96		
Puget Sound.....	5,855,156.04		
Total expenditures apportioned to localities (see Exhibit A-1).....	81,950,265.87		



## EXHIBIT A-1.

STATEMENT SHOWING AMOUNTS EXPENDED UNDER EACH HEAD-  
ING OF FORTIFICATION ACT DURING AND SINCE THE YEAR 1888  
AND TO INCLUDE JUNE 30, 1915, AT EACH FORTIFIED LOCALITY  
IN CONTINENTAL UNITED STATES.

[This statement shows the details of the total expenditures given in column 2, Exhibit A.]

	Kennebec River.	Portland.	Portsmouth.	Boston.
Seacoast batteries.....	\$99,050.00	\$2,153,795.09	\$418,390.17	\$2,332,590.32
Modernizing older emplacements.....		95,970.05		165,619.75
Fire control (Engineer Department).....		263,658.00	3,687.25	371,971.45
Electrical installations.....		9,913.94	7,170.31	2,820.00
Searchlights.....		204,355.64		118,580.31
Purchase of sites.....	15,602.45	169,903.35	36,600.00	1,076,559.33
Sea walls.....		3,188.00	2,000.00	41,210.00
Submarine mine structures (Engineer Depart- ment).....	4,371.39	148,590.41	29,120.80	287,794.69
Plans for fortifications.....		750.00		1,500.00
Preservation and repair, torpedo structures.....	41.74	21,013.26	1,510.00	6,666.77
Preservation and repair of fortifications.....	7,155.00	214,736.97	23,401.65	426,950.02
Supplies for seacoast defenses.....		14,150.00	2,953.16	21,957.16
Guns and carriages.....	46,830.00	1,738,876.00	118,519.00	2,182,638.00
Fire control (Signal Corps).....		35,733.13	818.35	27,842.56
Submarine mine material.....	274.44	122,202.84	46,279.75	124,085.07
Total.....	173,325.02	5,196,836.68	1,020,444.44	7,188,785.43

	New Bed- ford.	Narragan- sett.	Long Island.	New York.	Delaware.
Seacoast batteries.....	\$144,416.81	\$1,918,435.78	\$1,640,272.08	\$4,196,347.85	\$1,151,555.60
Pneumatic dynamite batteries.....			3,895.82	33,700.00	
Modernizing older emplacements.....		20,628.64	34,535.05	151,020.83	19,168.00
Fire control (Engineer Depart- ment).....	9,486.06	46,457.64	257,011.50	539,197.07	36,297.08
Electrical installations.....	5,510.55	2,380.00	9,100.00	10,850.00	3,766.00
Searchlights.....	589.57	19,630.95	180,061.40	178,348.40	790.00
Purchase of sites.....		555,019.40	255,614.11	1,396,911.87	27,805.50
Sea walls.....	800.00	15,749.77	92,113.38	246,493.21	10,500.00
Submarine mine structures (En- gineer Department).....	22,054.43	157,551.52	236,437.73	389,097.66	129,098.99
Plans for fortifications.....			700.00	50.00	
Preservation and repair, torpedo structures.....	1,297.00	9,380.00	11,304.13	18,102.95	5,489.00
Preservation and repair of forti- fications.....	28,760.00	225,449.95	220,134.93	531,341.65	180,917.32
Supplies for seacoast defenses...	2,546.00	15,176.90	54,978.56	57,657.36	23,890.66
Miscellaneous (Engineer Depart- ment).....				186,900.52	
Guns and carriages.....	106,256.00	1,673,030.00	1,383,688.00	4,960,805.00	1,089,429.00
Fire control (Signal Corps).....		2,137.89	153,290.09	28,377.82	
Submarine mine material.....	14,016.53	97,402.82	379,896.82	269,827.48	56,425.68
Total.....	335,732.95	4,758,431.26	4,912,033.60	13,195,029.67	2,735,132.83

*Statement showing amounts expended under each heading of fortification act during and since the year 1888 and to include June 30, 1915, at each fortified locality in Continental United States—Continued.*

	Baltimore.	Washington.	Cape Henry.	Hampton Roads.	Cape Fear.
Seacoast batteries.....	\$684,879.82	\$793,389.70	\$1,560.00	\$1,327,565.06	\$521,988.86
Modernizing older emplacements.	39,880.14	46,730.00	.....	45,008.78	7,538.00
Fire control (Engineer Department).....	59,967.20	66,966.41	.....	144,437.91	15,987.24
Electrical installations.....	3,500.00	50.00	.....	10,015.00	3,900.00
Searchlights.....	23,353.93	20,414.65	.....	34,147.74	960.00
Purchase of sites.....	68,011.75	43,581.30	184,052.95	34,533.85	191.67
Sea walls.....	160,669.44	2,300.00	.....	93,219.37	16,500.00
Submarine mine structures (Engineer Department).....	63,850.75	56,614.54	.....	150,234.21	46,852.96
Preservation and of repair torpedo structures.....	5,220.00	5,007.51	.....	4,349.04	3,949.77
Preservation and repair of fortifications.....	155,861.29	124,788.02	.....	267,833.58	76,618.23
Supplies for seacoast defenses.....	22,852.04	15,017.00	.....	31,206.23	15,657.25
Miscellaneous (Engineer Department).....	.....	.....	.....	54,118.36	150,000.00
Guns and carriages.....	711,685.00	452,369.00	.....	1,262,413.00	430,956.00
Fire control (Signal Corps).....	.....	.....	.....	32,415.30	.....
Submarine mine material.....	35,660.24	19,372.62	.....	77,474.75	18,190.54
Total.....	2,035,391.60	1,646,600.75	183,552.95	3,568,972.18	1,309,290.52
	Charleston.	Port Royal.	Savannah.	Key West.	Tampa.
Seacoast batteries.....	\$827,468.71	\$132,280.97	\$510,415.55	\$675,976.72	\$438,184.11
Modernizing older emplacements.	1,770.00	150.00	33,804.91	17,241.32	.....
Fire control (Engineer Department).....	12,877.15	8,414.02	13,356.37	18,915.81	10,592.28
Electrical installations.....	1,000.00	.....	.....	5,307.00	2,300.00
Searchlights.....	2,010.00	.....	1,700.00	2,130.00	2,996.85
Purchase of sites.....	65,494.11	2,193.42	2,550.00	25,170.29	.....
Sea walls.....	10,328.54	.....	.....	2,750.00	28,968.51
Submarine mine structures (Engineer Department).....	68,923.76	6,716.34	93,940.61	127,564.17	45,697.85
Preservation and repair of torpedo structures.....	6,220.60	.....	9,722.21	4,435.00	5,404.00
Preservation and repair of fortifications.....	114,543.57	15,530.39	84,229.70	101,667.95	62,415.44
Supplies for seacoast defenses.....	8,494.11	2,744.68	4,740.32	10,740.49	11,426.30
Miscellaneous (Engineer Department).....	216,608.00	.....	.....	36,000.00	.....
Guns and carriages.....	889,163.00	191,500.00	366,816.00	537,398.00	293,506.00
Fire control (Signal Corps).....	750.00	.....	.....	.....	.....
Submarine mine material.....	19,655.38	.....	24,519.85	54,303.91	52,760.55
Total.....	2,245,306.99	359,529.82	1,145,795.52	1,619,810.66	954,251.89
	Pensacola.	Mobile.	New Orleans.	Galveston.	San Diego.
Seacoast batteries.....	\$714,750.20	\$680,896.24	\$610,972.85	\$718,182.19	\$307,573.64
Modernizing older emplacements.	36,888.00	13,569.73	575.00	.....	1,100.00
Fire control (Engineer Department).....	28,619.59	15,814.80	24,801.50	1,808.85	7,445.37
Electrical installations.....	.....	700.00	1,300.00	.....	.....
Searchlights.....	6,106.76	2,475.00	.....	2,180.00	19,907.39
Purchase of sites.....	.....	4,975.00	5,383.95	71,061.50	22,566.70
Sea walls.....	37,249.62	71,900.00	19,756.20	.....	13,414.76
Submarine mine structures (Engineer Department).....	74,701.43	26,710.13	49,866.19	37,135.28	55,426.43
Preservation and repair, torpedo structures.....	2,689.00	700.00	4,750.00	1,891.88	2,087.79
Preservation and repair of fortifications.....	116,541.19	87,260.27	114,349.03	53,706.80	44,701.41
Supplies for seacoast defenses.....	23,339.48	8,848.35	5,465.64	2,450.00	2,842.50
Miscellaneous (Engineer Department).....	707,936.56	993,500.00	100,000.00	2,107,259.85	.....
Guns and carriages.....	623,265.00	496,908.00	266,260.00	521,097.00	216,906.00
Fire control (Signal Corps).....	.....	9,058.78	.....	1,561.97	.....
Submarine mine material.....	45,648.22	23,597.12	33,632.50	2,044.24	40,798.39
Total.....	2,417,755.05	2,436,913.42	1,237,112.86	3,520,379.56	734,770.38

*Statement showing amounts expended under each heading of fortification act during and since the year 1888 and to include June 30, 1915, at each fortified locality in Continental United States—Continued.*

	Los Angeles.	San Francisco.	Columbia River.	Puget Sound.
Seacoast batteries.....	\$240,500.00	\$2,421,499.25	\$931,944.24	\$2,415,204.80
Pneumatic dynamite batteries.....		127,142.82		
Modernizing older emplacements.....		101,358.07	6,525.00	90,906.02
Fire control (Engineer Department).....		410,754.78	167,226.16	361,016.05
Electrical installations.....		205,691.38	71,475.46	75,381.53
Searchlights.....		62,124.62	47,934.76	118,787.72
Purchase of sites.....	250,725.38	122,774.82	5,800.05	137,297.96
Submarine mine structures (Engineer Department).....		176,262.68	71,443.21	59,155.12
Preservation and repair, torpedo structures.....		14,041.92	3,942.83	2,960.15
Preservation and repair of fortifications.....	50.00	449,185.35	75,860.44	221,507.95
Supplies for seacoast defenses.....		24,286.52	18,146.00	15,403.05
Guns and carriages.....	764,800.00	2,991,314.00	827,792.00	2,211,432.00
Fire control (Signal Corps).....		248,814.73	90,302.21	76,824.27
Submarine mine material.....		162,310.52	72,101.60	69,279.42
Total.....	1,256,075.38	7,517,411.46	2,388,436.96	5,555,156.04

## RECAPITULATION.

Seacoast batteries.....	\$29,039,936.61
Pneumatic dynamite batteries.....	164,738.64
Modernizing older emplacements.....	929,987.29
Fire control (Engineer Department).....	2,896,767.54
Electrical installations.....	432,131.17
Searchlights.....	1,049,585.69
Purchase of sites.....	4,580,380.71
Sea walls.....	869,110.80
Submarine mine structures (Engineer Department).....	2,615,213.28
Plans for fortifications.....	3,000.00
Preservation and repair of torpedo structures.....	132,176.61
Preservation and repair of fortifications.....	4,023,451.10
Supplies for seacoast defenses.....	415,909.76
Miscellaneous (Engineer Department).....	4,552,343.29
Guns and carriages.....	27,655,851.00
Fire control (Signal Corps).....	707,927.10
Submarine mine material.....	1,861,755.28
Grand total (includes ordnance fire-control matériel).....	\$1,950,265.87

NOTE.—These figures exhibit actual expenditures on submarine mine matériel to include June 30, 1915. Figures in 1914 statement included balances.

## EXHIBIT A-2.

**STATEMENT SHOWING APPROPRIATIONS, EXPENDITURES, AND UNALLOTTED BALANCES (UNDER THE ENGINEER DEPARTMENT) FOR SEACOAST FORTIFICATIONS AND THEIR ACCESSORIES FOR CONTINENTAL UNITED STATES SINCE 1888, TO INCLUDE JUNE 30, 1915.**

[This statement shows the disposition of funds not accounted for as distributed among fortifications as per Exhibit A-1.]

## (A) UNDER THE ENGINEER DEPARTMENT.

## (1) Seacoast batteries:

Total of expenditures distributed among fortifications as per Exhibit A-1.....	\$29,039,936.61
Other expenditures—	
Board of Engineers.....	\$66,237.05
Office Chief of Engineers.....	81,467.24
Engineer Depot.....	1,125.00
Ammunition hoists.....	7,100.00
Electrical equipment.....	69,719.17
Miscellaneous.....	432.50
	226,080.96
Grand total expended (net allotments).....	29,266,017.57
Balance unallotted June 30, 1915.....	677,647.93
Total appropriated.....	29,943,665.50

(2) Pneumatic dynamite batteries:	
Total appropriated.....	\$330,000.00
Total of expenditures as distributed among fortifications as per Exhibit A.....	164,738.64
Balance (this balance was reappropriated by act of May 27, 1908, to be applied to modernizing emplacements).....	165,261.36
(3) Modernizing older emplacements:	
Total of expenditures distributed among fortifications as per Exhibit A-1.....	929,987.29
Other expenditures—	
Office Chief of Engineers.....	\$4,994.66
Engineer Depot.....	3,932.40
Ammunition hoists.....	127,622.36
	136,549.42
Grand total expended (net allotments).....	1,066,536.71
Balance unallotted June 30, 1915.....	123,724.65
Total appropriated.....	1,190,261.36
(4) Fire control, Engineer Department:	
Total of expenditures distributed among fortifications as per Exhibit A-1.....	2,896,767.54
Other expenditures—	
Office Chief of Engineers.....	\$17,160.26
Board of Engineers.....	10,000.00
Engineer Depot.....	1,380.67
Miscellaneous including \$930.14 allotted to San Juan, P. R.....	12,930.14
	41,471.07
Grand total expended (total net allotment).....	2,938,238.61
Balance unallotted in hands of Chief of Engineers June 30, 1915.....	17,854.82
Total assigned to Engineer Department.....	2,956,093.43
Balance unallotted to departments (in hands of Secretary of War and available for assignment to either Engineer or Ordnance Department or Chief Signal Officer), June 30, 1915.....	13,509.63
Total.....	2,969,603.06
(5) Electrical installations:	
Total of expenditures distributed among fortifications as per Exhibit A-1.....	432,131.17
Other expenditures—	
Office Chief of Engineers.....	\$1,057.00
Purchase of electrical material.....	178,818.20
Miscellaneous.....	1,875.00
	181,750.20
Grand total expended (net allotments).....	613,881.37
Balance unallotted June 30, 1915.....	35,006.63
Total appropriated.....	648,888.00

## (6) Searchlights:

Total of expenditures distributed among fortifications as per Exhibit A-1.....	\$1, 049, 585. 69
Other expenditures—	
Office Chief of Engineers.....	\$7, 614. 72
Purchase of searchlight equipment.....	881, 201. 07
Miscellaneous.....	235. 46
	<hr/> 889, 051. 25
Grand total expended (net allotments).....	1, 938, 636. 94
Balance unallotted June 30, 1915.....	91, 363. 06
Total appropriated.....	<hr/> 2, 030, 000. 00 <hr/>

## (7) Purchase of sites:

Total of expenditures distributed among fortifications as per Exhibit A-1.....	4, 580, 380. 71
Other expenditures—	
Office Chief of Engineers.....	\$5, 726. 37
Miscellaneous (applied to purchase of sites at Fernandina, St. Johns River, St. Augustine, and Charlotte Harbor).....	17, 505. 36
Expended in Philippine Islands prior to specific appropriation for that locality (see statement for insular possessions).....	3, 637. 92
	<hr/> 26, 869. 65
Grand total expended (net allotments).....	4, 607, 250. 36
Balance unallotted June 30, 1915.....	19, 797. 64
Total appropriated.....	<hr/> 4, 627, 048. 00 <hr/>

## (8) Sea walls:

Total of expenditures distributed among fortifications as per Exhibit A-1.....	869, 110. 80
Other expenditures—	
Office Chief of Engineers.....	\$2, 180. 01
Fort Niagara (inland post).....	33, 000. 15
	<hr/> 35, 180. 16
Grand total expended (net allotments).....	904, 290. 96
Balance unallotted June 30, 1915.....	31, 159. 04
Total appropriated.....	<hr/> 935, 450. 00 <hr/>

## (9) Submarine-mine defenses, Engineer Department:

Total of expenditures distributed among fortifications as per Exhibit A-1.....	2, 615, 213. 28
Other expenditures—	
Depot and material.....	\$2, 323, 402. 91
Experimentation and instruction.....	109, 598. 74
Board of Engineers.....	3, 000. 00
Office Chief of Engineers.....	7, 063. 26
Miscellaneous (including Penobscot River, Cumberland Sound, St. Johns River, and Sabine Pass).....	19, 316. 15
	<hr/> 2, 462, 381. 06
Grand total expended (net allotments).....	5, 077, 594. 34
Returned to Treasury.....	1, 027, 617. 17
Balance unallotted June 30, 1915.....	35, 363. 11
Total appropriated.....	<hr/> 6, 140, 574. 62 <hr/>

## (10) Plans for fortifications:

Total of expenditures distributed among fortifications as per Exhibit A-1.....	\$3,000.00
Expended by the Board of Engineers.....	132,000.00

Grand total expended (net allotments).....	135,000.00
Balance unallotted June 30, 1915.....	5,000.00

Total appropriated.....	140,000.00
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## (11) Preservation and repair of torpedo structures:

Total of expenditures distributed among fortifications as per Exhibit A-1.....	152,176.61
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## Other expenditures—

Office Chief of Engineers.....	\$2,790.49
Miscellaneous (Penobscot River).....	32.90
	2,823.39

Grand total expended (net allotments).....	155,000.00
Balance unallotted June 30, 1915.....	

Total appropriated.....	155,000.00
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NOTE.—In the fortification appropriation act of Mar. 3, 1915, the appropriation for this purpose was consolidated with that for preservation and repair of fortifications.

## (12) Preservation and repair of fortifications:

Total of expenditures distributed among fortifications as per Exhibit A-1.....	4,023,451.10
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## Other expenditures—

Office Chief of Engineers.....	\$213,660.55
Board of Engineers.....	58,705.52
Miscellaneous (including expenditures at a number of inland posts).....	103,660.92
Ammunition hoists.....	178,662.71
	554,689.70

Grand total expended (net allotments).....	4,578,140.80
Balance unallotted June 30, 1915.....	44,859.20

Total appropriated.....	4,623,000.00
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## (13) Supplies for seacoast defenses:

Total of expenditures distributed among fortifications as per Exhibit A-1.....	415,909.76
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## Other expenditures—

Office Chief of Engineers.....	\$5,273.61
Miscellaneous (including purchases for various districts).....	155,816.63
	161,090.24

Grand total expended (net allotments).....	577,000.00
Balance unallotted June 30, 1915.....	17,500.00

Total appropriated.....	594,500.00
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## (14) Reserve lights:

Total appropriated and expended.....	10,000.00
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## (15) Miscellaneous (as per Exhibit A-3):

Total of expenditures as per Exhibit A-1.....	4,552,343.29
Expended on Governors Island and St. Augustine.....	65,002.46

Total expended.....	4,617,345.75
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Returned to Treasury.....	\$16,381.64
Unexpended June 30, 1915.....	33,327.61
	49,709.25

Total appropriated (exclusive of reappropriations aggregating \$476,000).....	4,667,055.00
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## (B) UNDER THE ORDNANCE DEPARTMENT.

- (16) Guns and carriages (including fire-control material supplied by the Ordnance Department):

Total expenditures distributed among fortifications as per Exhibit A-1.....	\$27, 655, 851. 00
Other expenditures—	
For completion of guns under manufacture Sept. 22, 1888, but which do not form a part of the modern equipment..	\$500, 600. 00
Guns and carriages at ordnance establishments, including the proving ground, not assigned to forts.....	3, 148, 287. 00
Guns manufactured from funds appropriated for United States and transferred to insular possessions.....	1, 006, 100. 00
Modern guns and carriages destroyed.....	290, 348. 00
Emery gun carriage.....	226, 468. 49
Machinery, spare parts, experimentation, etc.....	1, 925, 212. 85
Horizontal base range finders and azimuth instruments, unassigned.....	159, 771. 00
	<u>7, 256, 187. 34</u>
Grand total appropriated and expended.....	<u>34, 912, 038. 34</u>

- (17) Machine guns:

Expended for machine guns assigned to fortifications.....	515, 450. 00
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(The total of appropriations carried by fortifications acts for machine guns is \$900,523, of which \$515,450 has been expended for machine guns for fortifications, and the balance, less the amount expended for obsolete types, has been expended for machine guns for the mobile army.)

- (18) Seacoast ammunition (war reserve):

Total expenditures (expenditures for ammunition can not well be apportioned to localities).....	15, 253, 455. 79
Balance available for expenditure.....	199, 430. 19
Total appropriated.....	<u>15, 452, 885. 98</u>

- (19) Seacoast ammunition (target practice):

Total expenditures (expenditures for ammunition can not well be apportioned to localities).....	5, 736, 074. 11
Balance available for expenditure.....	377, 983. 89
Total appropriated.....	<u>6, 114, 058. 00</u>

- (20) Alteration and maintenance of seacoast armament:

Total expended.....	5, 299, 455. 72
Balance available for expenditure.....	706, 474. 28
Total appropriated.....	<u>6, 005, 930. 00</u>

## (C) UNDER THE SIGNAL CORPS.

- (21) Fire control material supplied by the Signal Corps:

Total of expenditures distributed among fortifications, as per Exhibit A-1.....	\$707, 927. 10
Other expenditures—	
Expenses prior to March 1, 1907, both for original installation and maintenance, it being impracticable to apportion the expenditures by districts, or to separate the original and maintenance expenditures.....	\$1, 739, 407. 42
Provisional installations.....	3, 043. 10

## (21) Fire control material supplied by the Signal Corps—Continued.

## Other expenditures—Continued.

Post telephone installations.....	\$9,333.95
Submarine mines.....	35,642.55
Wireless and signal stations.....	19,124.79
Miscellaneous.....	8,824.71
Signal equipment, mine planters.....	620.00
Miscellaneous expended during 1914-15..	18,255.75
	<hr/>
	\$1,834,252.27

Total expended.....	2,542,179.37
Balance available.....	30,522.03

Total appropriated.....	<hr/> 2,572,701.40 <hr/>
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## (22) Maintenance of fire control material supplied by the Signal Corps:

Total expended.....	1,232,778.68
Balance available.....	150,510.41

Total appropriated.....	<hr/> 1,383,289.09 <hr/>
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## (23) Miscellaneous, Signal Corps:

Expended for miscellaneous equipment for seacoast fortifications from allotments from national defense fund.....	211,400.00
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## (D) SUBMARINE-MINE MATERIAL.

## (24) Total of expenditures distributed among fortifications as per Exhibit A-1.....

Exhibit A-1.....	\$1,861,755.28
Other expenditures (torpedo depot).....	112,530.21

Total expenditures continental United States.....	1,974,285.49
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Amount actually obligated for material under contract or supplied.....	153,147.76
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Amount reserved for specific purposes but not actually obligated.....	255,219.71
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Amount available for expenditure.....	51,768.09
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Add to the above (due to the fact that expenditures for mine material in the insular possessions are that amount in excess of appropriations, which excess has been drawn from similar appropriations for the United States in order to provide for the supply of necessary mine material in the insular possessions).....	59,198.66
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Add to above (to cover cost of material transferred to Panama Canal, reimbursement to be made in future from canal appropriations).....	32,380.29
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Total appropriated during and since 1902.....	<hr/> 2,526,000.00 <hr/>
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## (25) Coast Artillery war game:

Total expended.....	21,261.35
Balance available June 30, 1915.....	4,238.65

Total.....	<hr/> 25,500.00 <hr/>
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## (E) UNDER QUARTERMASTER DEPARTMENT.

(26) Purchase of land (acts of Mar. 25, 1900, and June 6, 1902).....	\$360,000.00
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(27) Construction of mine planters.....	350,000.00
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## RECAPITULATION.

Total expenditures, apportioned to localities as per Exhibit A-1....	\$81,950,265.87
Total of other expenditures shown above.....	43,260,932.79

Total expenditures.....	125,211,198.66
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Total of available balances.....	<hr/> 2,922,260.57 <hr/>
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Total of expenditures and available balances.....	128,133,459.23
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Returned to Treasury.....	\$1,057,530.32
Add to the above the following amounts to cover the cost of mine material purchased from funds appropriated for the United States, but transferred as stated:	
(a) To insular possessions.....	59,198.66
(b) To Isthmian Canal.....	32,380.29
Total appropriation for seacoast fortifications for continental United States.....	129,282,568.50

## EXHIBIT A-3.

**STATEMENT OF EXPENDITURES FROM APPROPRIATIONS MADE FROM 1888 TO JUNE 30, 1915, FOR SPECIFIC ITEMS OF WORK IN CONNECTION WITH SEACOAST FORTIFICATIONS AT SPECIFIED LOCALITIES, DISBURSED BY THE ENGINEER DEPARTMENT.**

[Details of Item (15), Exhibit A-2.]

## NEW YORK, N. Y.

Sept. 22, 1888, repair of wharf and sea wall at Willets Point.....	\$2,500.00	
Aug. 18, 1890, sea wall, Governors Island.....	50,000.00	
Aug. 1, 1894, sea wall, north shore, Sandy Hook, N. J.....	7,500.00	
Mar. 3, 1897, rip rap wall, eastern beach, Sandy Hook, N. J.....	75,000.00	
June 6, 1902, rip rap stone wall, Eastern beach, Sandy Hook, N. J.....	875,600.60	
Unexpended balance June 30, 1915.....	13,099.48	61,900.52
Mar. 3, 1905, sea wall, north beach, Sandy Hook, N. J.....		40,000.00
Mar. 3, 1915, enlargement of Governors Island, N. Y.....	8,000.00	
Unexpended balance June 30, 1915.....	7,997.54	2.46
Total.....		236,902.98

## HAMPTON ROADS, VA.

Feb. 24, 1891, protection of shore at Fort Monroe, Va.....	\$27,000.00	
Feb. 24, 1891, artesian well at Fort Monroe.....	\$9,000.00	
Balance returned to surplus fund.....	5,908.95	91.05
Aug. 1, 1894, sewerage system at Fort Monroe, Va.....	37,500.00	
Balance returned to surplus fund.....	10,472.69	27,027.31
Total.....		54,118.36

## CAPE FEAR RIVER, N. C.

May 25, 1900, sea wall and fill, Fort Caswell, N. C.....	\$150,000.00
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## CHARLESTON, S. C.

Mar. 2, 1907, and May 27, 1908, construction of sea wall necessary for the protection of Fort Moultrie, Charleston, S. C.....	\$225,600.00
June 6, 1912, reappropriated for other work.....	8,992.00
	\$216,608.00

## ST. AUGUSTINE, FLA.

Aug. 18, 1890, preservation and repair of Fort Marion, Fla., and sea wall..	\$15,000.00
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## KEY WEST, FLA.

June 6, 1912, repair and protection of defenses of Key West, Fla.....	\$36,000.00
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## PENSACOLA, FLA.

Mar. 2, 1907, and May 27, 1908, repair and restoration of batteries and other structures appurtenant to the defenses of Pensacola, and for retaining walls to protect batteries from floods.....	\$109,355.00	
Reappropriated.....	1,008.00	
		\$108,347.00
Mar. 2, 1907, and Mar. 3, 1909, sea walls for protection of the sites of the fortifications and of the necessary post buildings at Forts Pickens and McRee, Pensacola, Fla.....	907,100.00	
Reappropriated for other work.....	\$305,000.00	
Unexpended balance June 30, 1915.....	2,490.44	
	307,490.44	
		599,609.56
Total.....		707,956.56

## MOBILE, ALA.

Mar. 2, 1907, and May 27, 1908, repair and restoration of batteries and other structures appurtenant to the defenses of Mobile, Ala., and rebuilding sea walls and groins for protection of the sites of the fortifications, and of the garrison posts.....	\$1,089,500.00	
Reappropriated for other work.....	96,000.00	
		\$993,500.00

## NEW ORLEANS, LA.

Mar. 2, 1907, rebuilding and strengthening the levees for protection of the sites of the defenses and the garrison post at Fort St. Philip, New Orleans, La.....		\$100,000.00
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## GALVESTON, TEX.

Mar. 1, 1901, reconstruction and repair of fortifications.....		\$992,000.00
Apr. 28, 1904, and June 30, 1906, sea wall and fill, Fort Crockett.....	\$750,000.00	
Unexpended balance June 30, 1915.....	9,575.26	
		740,424.74
Mar. 3, 1909, sea wall and fill at Fort Travis.....	440,000.00	
Reappropriated for other work.....	\$65,000.00	
Unexpended balance June 30, 1915.....	164.89	
	65,164.89	
		374,835.11
Total.....		2,107,259.85
Grand total expended.....		4,617,345.75
Returned to Treasury.....	\$16,381.64	
Unexpended balances June 30, 1915.....	33,327.61	
		49,709.25
Total net appropriations.....		<sup>1</sup> 4,667,055.00

<sup>1</sup> The totals of the original appropriations for the above purposes aggregated \$5,143,055, but of this amount \$476,000 was reappropriated subsequently for other purposes and is accounted for elsewhere in this report, and only the remainder, \$4,667,055, is accounted for above.

## EXHIBIT B.

## STATEMENT SHOWING TOTAL AMOUNTS EXPENDED ON THE DEFENSES OF LOCALITIES IN THE INSULAR POSSESSIONS TO JUNE 30, 1915.

Localities.	Expenditures for fortifications.
Guantanamo.....	\$273,083.29
Honolulu and Pearl Harbor.....	4,020,735.48
Philippine Islands in general.....	38,406.98
Manila Bay.....	10,776,305.16
Subic Bay.....	1,116,343.85
Total.....	<sup>1</sup> 15,872,374.76
Total expenditures apportioned to localities as per Exhibit B-1.....	\$15,872,374.76
Total of other expenditures (Exhibit B-2).....	3,831,863.17
Total expenditures.....	19,704,237.93
Total available balances.....	2,489,569.73
Total expenditures and balances.....	22,193,807.66
Deducting value of mine material transferred (item 18, Exhibit B-2).....	59,198.66
Leaves as the total of the appropriation for insular possessions.....	<sup>2</sup> 22,134,609.00

<sup>1</sup> The totals opposite localities are inclusive of, and the grand total is exclusive of, the value, \$352,500, of armament transferred to insular possessions under clause in fortification act of June 27, 1914. Of this total the value of armament transferred to Honolulu and Pearl Harbor aggregated \$310,000, and that transferred to Manila, \$42,500. These amounts are included in the totals given in item 16, Exhibit A-2.

<sup>2</sup> Of this total, \$22,134,609, the sum of \$21,829,942 was appropriated in fortification acts, the sum of \$150,000 in the deficiency act of June 8, 1898, and the balance, \$154,667, in the sundry civil act of Mar. 4, 1911.

## EXHIBIT B-1.

## STATEMENT SHOWING AMOUNTS EXPENDED UNDER EACH HEAD-ING OF FORTIFICATION ACT AT EACH FORTIFIED LOCALITY IN THE INSULAR POSSESSIONS, TO INCLUDE JUNE 30, 1915.

	San Juan.	Guanta-namo.	Honolulu and Pearl Harbor.	Guam.	Manila Bay.	Subic Bay.	Philip-pine Is-lands in general.	Total.
Seacoast batteries.....		\$180,836.11	\$1,578,892.16		\$5,647,036.42	\$473,475.07	\$721.00	\$7,880,960.76
Land defense.....			141,482.93		145,895.72			287,378.65
Reserve equipment.....			4,724.65		5,976.56			10,701.21
Central power plant.....					154,645.79			154,645.79
Fire control (Engi-neer Department).....			215,815.42		160,373.07	39,166.26	9,035.00	424,389.75
Electrical installa-tions.....			58,699.01		228,440.55	76,719.61	10,050.54	383,909.71
Searchlights.....		163.50	121,754.37		296,183.08	25,071.49	2,960.52	446,130.96
Purchase of sites.....			326,345.80		14,000.00			340,345.80
Sea walls.....			.25					.25
Submarine-mine structures (Engi-neer Department).....		8,483.68	129,017.84		271,737.63	106,898.54	1,402.58	517,540.27
Preservation and re-pair of torpedo structures.....			2,455.91		1,565.28	373.74		4,394.93
Preservation and re-pair of fortifica-tions.....			2,356.62		19,590.69	5,881.14		27,828.45
Supplies for seacoast defenses.....			3,335.77		5,963.39	909.00	4,237.34	14,445.50
Guns and carriages.....		83,600.00	1,287,506.80		3,177,569.10	246,381.00		4,442,997.00
Fire control (Signal Corps).....			57,614.50		184,875.24			242,489.74
Submarine-mine material.....			90,735.45		462,512.51	141,477.00		694,724.99
Total.....		273,083.29	4,010,735.48		10,776,305.16	1,116,343.85	38,406.98	15,978,609.36

<sup>1</sup> Totals in locality columns are inclusive of, and total in last column is exclusive of, the value, \$352,500, of armament transferred to insular possessions under clause in fortification act of June 27, 1914. Of this total the value of armament transferred to Honolulu and Pearl Harbor aggregated \$310,000, and that transferred to Manila, \$42,500. These amounts are included in totals given in item 16, Exhibit A-2.

## EXHIBIT B-2.

**STATEMENT SHOWING APPROPRIATIONS, EXPENDITURES, AND UNEXPENDED BALANCES (UNDER THE ENGINEER DEPARTMENT) FOR SEACOAST FORTIFICATIONS AND THEIR ACCESSORIES FOR THE INSULAR POSSESSIONS, TO AND INCLUDING JUNE 30, 1915.**

[This statement shows the disposition of funds not accounted for as distributed among fortifications as per Exhibit B-1.]

## (A) UNDER THE ENGINEER DEPARTMENT.

## (1) Seacoast batteries:

Total of expenditures distributed among fortifications as per Exhibit B-1.....	\$7, 880, 960. 76
Other expenditures—	
Office Chief of Engineers.....	\$44, 054. 09
The Board of Engineers.....	28, 190. 52
	<hr/> 72, 244. 61
Total expended.....	7, 953, 205. 37
Unexpended balance June 30, 1915—	
Hawaiian Islands.....	3, 266. 30
Philippine Islands.....	993, 883. 39
Insular possessions in general.....	9, 844. 94
	<hr/> 1, 006, 994. 63
Total appropriated (exclusive of the sum of \$250,000 from the Philippine Islands appropriation of Mar. 3, 1909, which was assigned to the Ordnance Department for expenditure)	<hr/> 8, 960, 200. 00
This total appropriation was made as follows:	
Hawaiian Islands.....	\$1, 587, 200. 00
Philippine Islands.....	5, 973, 000. 00
Insular possessions in general.....	1, 400, 000. 00
Total.....	<hr/> 8, 960, 200. 00

## (2) Fire control, Engineer Department:

Total of expenditures distributed among fortifications as per Exhibit B-1.....	424, 389. 75
Other expenditures: Office Chief of Engineers.....	956. 00
	<hr/> 425, 345. 75
Total expended.....	425, 345. 75
Unexpended balance of assignments to Engineer Department	9, 078. 51
	<hr/> 434, 424. 26
Total amount assigned to Engineer Department.....	434, 424. 26
NOTE.—In addition to the above expenditures from appropriation for "Fire control in insular possessions," the sum of \$930.14 was expended at San Juan, P. R., from the appropriation for installation of range and position finders prior to the making of separate appropriations for "Fire control in insular possessions." (See statement under "Fire control in the United States.")	
Unallotted balance from fire control appropriations, insular possessions, in hands of Secretary of War June 30, 1915, and available for assignment to Engineer or Ordnance Departments or Chief Signal Officer.....	52, 820. 04
Total.....	<hr/> 487, 244. 30

## (3) Electrical installations:

Total of expenditures distributed among fortifications as per Exhibit B-1.....	383, 900. 71
Other expenditures: Office Chief of Engineers.....	5, 225. 50
	<hr/> 389, 126. 21
Total expended.....	389, 126. 21

## (3) Electrical installations—Continued.

Unexpended balance June 30, 1915—		
Hawaiian Islands.....	\$10, 168. 99	
Philippine Islands.....	90, 427. 80	
		\$100, 596. 79
Total appropriated.....		489, 723. 00

This total appropriation was made as follows:

Hawaiian Islands.....	68, 938. 00
Philippine Islands.....	420, 785. 00

489, 723. 00

## (4) Searchlights:

Total of expenditures distributed among fortifications as per Exhibit B-1.....	446, 130. 96
Other expenditures: Office Chief of Engineers.....	2, 754. 50

Total expended..... 448, 885. 46

Unexpended balance June 30, 1915—

Hawaiian Islands.....	\$42, 194. 63
Philippine Islands.....	42, 919. 91

85, 114. 54

Total appropriated..... 534, 000. 00

This total appropriation was made as follows:

Hawaiian Islands.....	164, 400. 00
Philippine Islands.....	339, 600. 00
Insular possessions in general.....	30, 000. 00

534, 000. 00

## (5) Purchase of sites:

Total of expenditures distributed among fortifications as per Exhibit B-1.....	340, 345. 80
Other expenditures: Office Chief of Engineers.....	2, 048. 96

Total expended..... 342, 394. 76

Unexpended balance June 30, 1915—

Hawaiian Islands.....	\$21, 655. 24
Philippine Islands.....	2, 950. 00

24, 605. 24

Total appropriated..... 367, 000. 00

This total appropriation was made as follows:

Hawaiian Islands.....	350, 000. 00
Philippine Islands.....	17, 000. 00

367, 000. 00

NOTE.—In addition to the expenditures shown in B-1 for sites, Philippine Islands, the sum of \$3,637.92 was expended in the Philippine Islands from the appropriation for sites for fortifications in the United States prior to the appropriation of funds for sites in the Philippine Islands.

## (6) Preservation and repair of fortifications:

Total of expenditures distributed among fortifications as per Exhibit B-1.....	27, 828. 45
Other expenditures: Office Chief of Engineers.....	243. 00

Total expended..... 28, 071. 45

Unexpended balance June 30, 1915—

Hawaiian Islands.....	\$1, 643. 38
Philippine Islands.....	7, 285. 17

8, 928. 55

Total appropriated (\$4,000 for Hawaiian Islands,  
\$33,000 for Philippine Islands)..... 37, 000. 00

## (7) Submarine mine structures, Engineer Department:

Total of expenditures distributed among fortifications as per Exhibit B-1.....	\$517, 540. 27
Other expenditures: Office Chief of Engineers.....	485. 71
Total expended.....	518, 025. 98
Unexpended balance June 30, 1915—	
Philippine Islands.....	\$27, 276. 57
Insular possessions in general.....	697. 45
	27, 974. 02
Total appropriated.....	546, 000. 00
This total appropriation was made as follows:	
Hawaiian Islands.....	\$129, 000. 00
Philippine Islands.....	217, 000. 00
Insular possessions in general.....	200, 000. 00
	546, 000. 00

## (8) Preservation and repair of torpedo structures:

Total of expenditures distributed among fortifications as per Exhibit B-1.....	4, 394. 93
Other expenditures: Office Chief of Engineers.....	24. 50
Total expended.....	4, 419. 43
Unexpended balance June 30, 1915—	
Hawaiian Islands.....	\$1, 044. 09
Philippine Islands.....	3, 286. 48
	4, 330. 57
Total appropriated (\$3,500 for Hawaiian Islands, \$5,250 for Philippine Islands).....	8, 750. 00

## (9) Electrical and other supplies:

Total of expenditures distributed among fortifications as per Exhibit B-1.....	14, 445. 50
Other expenditures: Office Chief of Engineers.....	77. 00
Total expended.....	14, 522. 50
Unexpended balance June 30, 1915—	
Hawaiian Islands.....	\$1, 648. 98
Philippine Islands.....	5, 328. 52
	6, 977. 50
Total appropriated (\$5,000 for Hawaiian Islands, \$16,500 for Philippine Islands).....	21, 500. 00

## (10) Land defenses:

Total of expenditures distributed among fortifications as per Exhibit B-1.....	287, 378. 65
Other expenditures: Office Chief of Engineers.....	806. 00
Total expended.....	288, 184. 65
Unexpended balance June 30, 1915—	
Hawaiian Islands.....	\$465, 517. 07
Philippine Islands.....	20, 798. 28
	486, 315. 35
Total appropriated (exclusive of the sum of \$12,500 from the Philippine Islands appropriation of Mar. 4, 1911, which was assigned to the Signal Corps for expenditures).....	774, 500. 00
This total appropriation was made as follows:	
Hawaiian Islands.....	\$607, 000. 00
Philippine Islands.....	167, 500. 00
	774, 500. 00

(11) Reserve equipment:	
Total of expenditures as distributed among fortifications as per Exhibit B-1.....	\$10,701.21
Unexpended balance June 30, 1915—	
Hawaiian Islands.....	\$45,275.35
Philippine Islands.....	94,023.44
	<u>139,298.79</u>
Total appropriated (\$50,000 for Hawaiian Islands, \$100,000 for Philippine Islands).....	<u>150,000.00</u>
(12) Sea walls:	
Total of expenditures distributed among fortifications as per Exhibit B-1.....	.25
Unexpended balance June 30, 1915.....	20,999.75
	<u>21,000.00</u>
(13) Central power plant:	
Total expended as per Exhibit B-1.....	154,645.79
Unexpended balance June 30, 1915.....	21.21
	<u>154,667.00</u>
(B) UNDER THE ORDNANCE DEPARTMENT.	
(14) Guns and carriages (including fire control material supplied by the Ordnance Department), and expenditures from appropriations for mechanical supervision of installations of seacoast artillery:	
Total expenditures distributed among fortifications as per Exhibit B-1.....	\$4,442,497.00
Other expenditures, spare parts, etc., and of armament for insular possessions in reserve at Sandy Hook.....	151,301.70
Horizontal base range finders and azimuth instruments, unassigned.....	35,678.00
Total.....	<u>4,629,476.70</u>
(15) Seacoast ammunition (war reserve):	
Approximate amount expended for Philippine Islands.....	\$1,860,379.94
Approximate amount expended for Hawaiian Islands.....	930,189.97
	<u>2,790,569.91</u>
Total of expenditures (expenditures for ammunition can not well be apportioned to localities).....	2,790,569.91
Balance available for expenditure.....	409,430.09
	<u>3,200,000.00</u>
(16) Alteration and maintenance of seacoast artillery:	
Total expended.....	233,539.27
Balance available for expenditure.....	62,209.73
	<u>295,749.00</u>

## (C) UNDER THE SIGNAL CORPS.

(17) Fire-control material supplied by the Signal Corps:	
Total of expenditures distributed among fortifications as per Exhibit B-1.....	\$242, 489. 74
Amount expended during 1914-15.....	21, 388. 45
Transferred to Signal Corps from Engineer Department from appropriation Philippine Islands, Mar. 4, 1911.....	12, 500. 00
Balance available for expenditure.....	24, 198. 81
Total allotted to Signal Corps from fire-control appropriation.....	300, 577. 00
(18) Maintenance of fire-control material supplied by the Signal Corps:	
Total expended.....	84, 454. 65
Balance available for expenditure.....	10, 545. 35
Total appropriated.....	95, 000. 00

## (D) SUBMARINE-MINE MATERIAL.

(19) Total expenditures distributed among fortifications, as per Exhibit B-1.....	
Amount obligated for material under contract or supplied...	694, 724. 99
Amount available.....	43, 565. 41
Total of balances and expenditures.....	9, 130. 26
Deducting the sum (due to the fact that the expenditures for mine material given in this item are that amount in excess of the appropriations for such material for the insular possessions, which excess has been drawn from similar appropriations for the United States in order to provide for the supply of necessary mine material in the insular possessions).....	747, 420. 66
Leaves as the amount appropriated for the insular possessions.....	59, 198. 66
(20) Mine planters:	
Appropriated and expended.....	688, 222. 00
	374, 000. 00

## RECAPITULATION.

Total expenditures apportioned to localities as per Exhibit B-1.....	15, 872, 374. 76
Total of other expenditures as shown above.....	3, 831, 863. 17
Total expenditures.....	19, 704, 237. 93
Total available balances.....	2, 489, 569. 73
Total expenditures and balances.....	22, 193, 807. 66
Deducting value of mine material transferred (item 19, Exhibit B-1)	59, 198. 66
	<sup>1</sup> 22, 134, 609. 00

<sup>1</sup> Of the above total, \$22,134,609, the sum of \$21,829,942 was appropriated in fortification acts, the sum of \$150,000 in the deficiency act of June 8, 1898, and the balance, \$154,667, in the sundry civil act of Mar. 4, 1911.



## EXHIBIT D (FIELD ARTILLERY).

STATEMENT SHOWING EXPENDITURES FOR FIELD ARTILLERY TO JULY 1, 1915, BALANCES AVAILABLE FOR EXPENDITURE FOR SUCH PURPOSES ON THAT DATE, AND AMOUNTS ADDITIONAL TO SUCH BALANCES INTENDED TO BE EXPENDED IN FUTURE.

Purpose.	Expended to July 1, 1915.	Available for expenditure July 1, 1915.	Total.
For the purchase, manufacture, and test of mountain, field, and siege cannon, including their carriages, sights, implements, equipments, and the machinery necessary for their manufacture at the arsenals.....	\$4,584,974.58	<sup>1</sup> \$1,347,225.42	\$5,932,200.00
For the purchase, manufacture, and test of ammunition for mountain, field, and siege cannon, including the necessary experiments in connection therewith and the machinery necessary for its manufacture at the arsenals.....	3,945,258.79	<sup>2</sup> 1,416,341.21	5,361,600.00
For the alteration and maintenance of the mobile artillery, including the purchase and manufacture of machinery, tools, and materials necessary for the work and the expenses of the mechanics engaged thereon..	430,207.97	<sup>3</sup> 60,792.03	491,000.00
For the purchase, manufacture, and test of ammunition, subcaliber guns, and other accessories for mountain, field, and siege artillery practice, including the machinery necessary for their manufacture at the arsenals.	988,452.59	<sup>4</sup> 197,547.41	1,186,000.00
For the alteration of 3.2-inch batteries to rapid-fire field batteries, including sights, implements, equipments, and the materials and machinery necessary for alteration and manufacture at the arsenals.....	810,622.27	<sup>5</sup> 364,377.73	1,175,000.00
Total.....	10,759,516.20	3,386,283.80	<sup>6</sup> 13,845,800.00

<sup>1</sup> \$804,258.13 due on orders and contracts already placed; \$300,000 represents the contract authorization contained in the appropriation act of Mar. 3, 1915; remainder, \$242,967.29, represents the unallotted balance, <sup>2</sup> \$408,092.83 due on orders and contracts already placed; remainder, \$1,008,248.38, represented the unallotted balance.

<sup>3</sup> \$45,411.90 due on orders and contracts already placed; the remainder, \$15,380.15, represents the unallotted balance.

<sup>4</sup> \$90,221.27 due on orders and contracts already placed, and the remainder, \$107,326.14, represents the unallotted balance.

<sup>5</sup> \$202,740.58 due on orders and contracts already placed, and the remainder, \$161,637.15, represents the unallotted balance.

<sup>6</sup> The total opposite item "For the purchase, manufacture, and test of mountain, field, and siege cannon," etc., is inclusive of, and the grand total is exclusive of, the amount, \$300,000, of contract authorization carried in the act of Mar. 3, 1915.

## EXHIBIT E.

STATEMENT SHOWING MISCELLANEOUS ITEMS RELATED TO,  
BUT NOT STRICTLY FORMING PART OF, THE FORTIFICATION  
PROJECT.

## UNDER THE ENGINEER DEPARTMENT.

- (1) Amount expended for temporary batteries (national defense fund). \$302,817.99

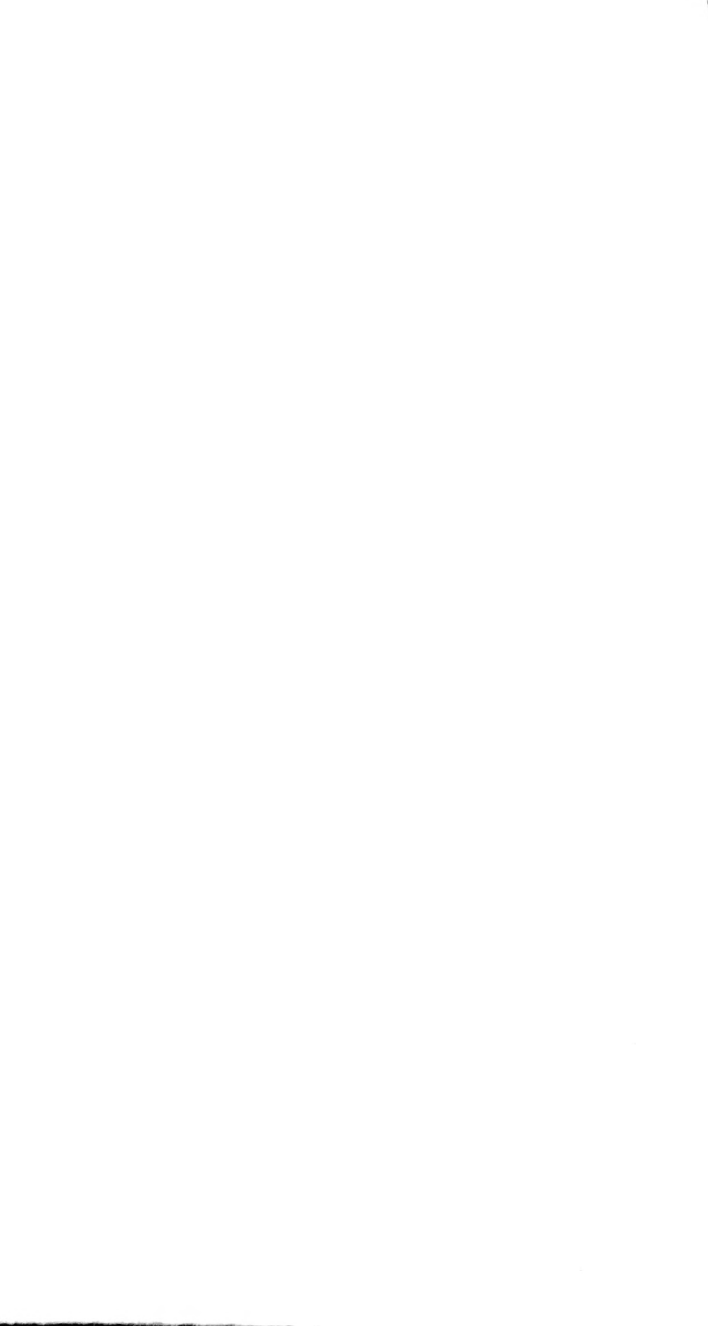
## UNDER QUARTERMASTER CORPS.

- |   |              |            |
|---|--------------|------------|
| (2) Construction of post buildings (funds obtained by transfer from appropriations for "Gun and mortar batteries") (act of June 6, 1896)..... | \$100,000.00 |            |
| Repair and maintenance of roads and wharf, and maintenance of sewer system at Fort Monroe, Va. (acts of Mar. 2, 1895, and June 6, 1896).....  | 18,267.50    |            |
|   | <hr/>        | 118,267.50 |

## UNDER ORDNANCE DEPARTMENT.

- |   |                |               |
|---|----------------|---------------|
| (3) Proving ground, Sandy Hook.....   | \$1,747,178.00 |               |
| Gun factory, arsenals, buildings, etc.....                                  | 3,376,952.00   |               |
| Machine guns not used for seacoast defenses.....                            | 385,073.00     |               |
| Machinery for ordnance establishments, draftsmen, etc.....                  | 470,097.83     |               |
| Experimental guns and carriages, and ammunition tests.....                  | 653,041.03     |               |
| Testing experimental guns and carriages, inspections, armor plate, etc..... | 148,085.84     |               |
| Implements, equipments, alteration, and maintenance of old armament.....    | 519,038.00     |               |
| Field material and ammunition, old design.....                              | 6,331,819.75   |               |
| Returned to Treasury.....   | 110,928.69     |               |
|   | <hr/>          | 13,742,214.14 |
| (4) Board of Ordnance and Fortification.....                                |                | 2,600,000.00  |
| (5) School of Submarine Defense, act of June 6, 1902.....                   |                | 16,500.00     |
|   |                | <hr/>         |
| Total of above.....   |                | 16,779,799.63 |
| Deduct amount returned to Treasury (item (3) above).....                    |                | 110,928.69    |
|   |                | <hr/>         |
| Total expenditures for above items.....                                     |                | 16,668,870.94 |





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